

# Percents: Under 1—Over 100

Work any problem below and find your answer at the bottom of the page. Write the letter of the problem above it. Keep working and you will discover a message.

A certain grass seed is guaranteed to contain no more than 0.15% weed seed. What is the greatest amount of weed seed expected in a 450 gram box? ANSWER:                      grams	<b>S</b>
In the presidential election of 1888, only 0.8% of the popular votes separated the two candidates, Harrison and Cleveland. If 11,000,000 votes were cast, how many votes separated the candidates? ANSWER:                      votes	<b>O</b>
A steel rod expands 0.11% of its length when its temperature is increased 100°C. How much longer will a 75 centimeter steel rod become with this increase in temperature? ANSWER:                      centimeters	<b>E</b>
A certain fabric is guaranteed to shrink no more than 0.5 % when washed. What is the maximum amount of shrinkage expected for a piece 0.5 meters long? ANSWER:                      meters	<b>I</b>
An ore is 0.65% pure gold. How many grams of gold are there in 10,000 grams of ore? ANSWER:                      grams	<b>S</b>
A credit union lends money to its members at an interest rate of 0.75% per month. What is the interest charge each month on a loan of \$3500? ANSWER: \$	<b>R</b>
The profits of Burger Bonanza in a recent year were 125% of the profits in the previous year. If the profits in the previous year were \$7000, what were the profits the next year? ANSWER: \$	<b>E</b>
In 1901 the Olds company built 425 cars. The next year, using mass production methods, the company built 600% of those built in 1901. How many cars did the company build in 1902?   ANSWER:                      cars	<b>R</b>
After 10 years, the price of a certain house was 205% of its original price. If the house originally sold for \$30,000, what did it sell for 10 years later? ANSWER: \$	<b>A</b>
Orgo borrowed \$1700 to buy a used car. He had to pay back 133% of what he had borrowed. How much did he have to pay back? ANSWER: \$	<b>D</b>
The human population of the world in the year 2000 is expected to be 160% of the population in 1975. If the population in 1975 was 4.01 billion, what is the population expected in 2000? ANSWER:                      billion	<b>Q</b>
The amount of money spent on education in the United States in 1977 was 650% of the amount spent in 1950. If \$7.2 billion was spent in 1950, how much was spent in 1977? ANSWER: \$                      billion	<b>W</b>

6.416	0.675	6.336	61,500	26.25	0.0825	49.8	46.8	8750	0.0025	2550	2261	2351	88,000	65
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